

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

Claims 1-4 (canceled)

Claim 5 (currently amended): An encoder arrangement, comprising

a motor with a motor shaft on which a timing disk is secured,

a signal source for generating an optical signal, as well as a beam mask for shaping the optical signal, wherein the beam mask is provided with code bars having pit and land structures having a diffraction and interference structure. The encoder arrangement according to claims 1, wherein the beam mask is made of a polycarbonate, wherein regions between the code bars are made transparent and the pit and land structures include a thickness difference D, which satisfies the following function:

$$D = L / 2 (n-1)$$

with $n = 1.5$ and L = wavelength of the optical signal.

Claims 6 - 8 (canceled)

Claim 9 (currently amended): An encoder arrangement, comprising

a motor with a motor shaft on which a timing disk is secured,

a signal source for generating an optical signal, as well as a beam mask for shaping the optical signal, wherein the beam mask is provided with code bars having pit and land structures having a diffraction and interference structure, wherein a prismatic body is introduced into the beam path for beam deflection and beam shaping, and The encoder arrangement according to claim 6, wherein the mask support and signal source are integrated in the prismatic body, and wherein a connecting plane is formed in the a region of the beam entrance with a form-fit between a printed circuit board and the prism.

10.(previously presented) The encoder arrangement according to claim 9, wherein the printed

circuit board is provided with a connector plane and that the prismatic body together with the signal source and ~~the~~ a beam receiver are disposed on the connector plane.

11. (previously presented) The encoder arrangement according to claim 10, wherein the mask support is formed as a precision injection-molded part with a common integration plane for ~~the~~ a radiation source, the prismatic body and ~~the~~ a radiation receiver.

12 (new): An encoder arrangement, comprising

a motor with a motor shaft on which a timing disk is secured,

a signal source for generating an optical signal, as well as a beam mask for shaping the optical signal, wherein the beam mask is provided with code bars having pit and land structures having a diffraction and interference structure, wherein the beam mask comprises regions between the code bars are made transparent and the pit and land structures include a thickness difference D , which satisfies the following function:

$$D = L / 2 (n-1)$$

with $n = 1.5$ and L = wavelength of the optical signal.